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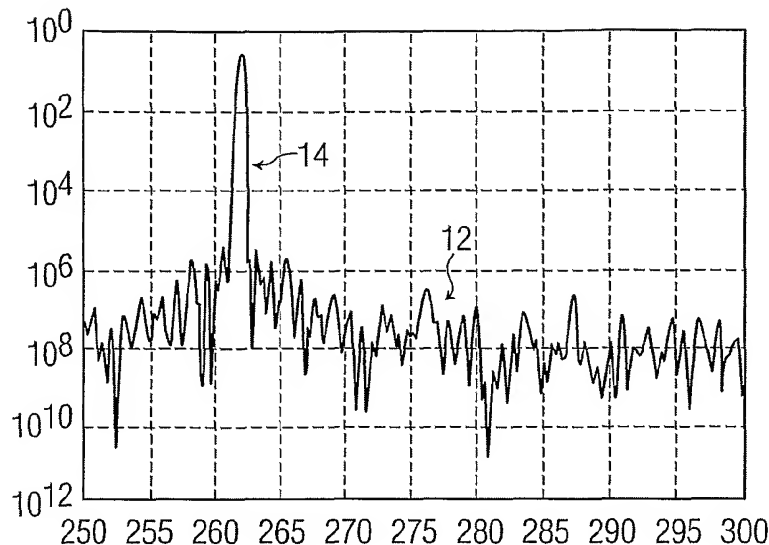
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(54) Title: CHANGING AMPLITUDE OF MOVEMENT BY CHANGING THE DRIVE FREQUENCY OF A TOOTHBRUSH BRUSHHEAD



(57) Abstract: The drive system drives a brushhead at a driving frequency. The drive system includes a frequency modulation system which changes the driving frequency about a center frequency in such a manner, with selected frequency deviation and modulation frequency, which interacts with the resonance of the brushhead to produce a change of amplitude in the movement of the brushhead within a range of 5-30%.

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- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA,*

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- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations*

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